

# Fusible disconnect switch type

## A9 - AF750

### Reversing, three phase

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UL motor switching current	Contactor size	Maximum ratings - UL Listed					UL Type 1 (Indoor metal)		UL type 3R (Outdoor metal)		UL Type 12 (Metal dustight)	
		Maximum motor horsepower ratings					Catalog number	List price	Catalog number	List price	Catalog number	List price
		200/208V	230/240V	480/480V	575/600V	Fuse clip rating amp/volts						
<b>UL rated</b>												
9	A9	2	2	5	7.5	30/600	12F1-2Δ1	\$ 1,140	12F3-2Δ1	\$ 1,320	12F2-2Δ1	\$ 1,320
11	A12	3	3	7.5	10	30/600	22F1-2Δ1	1,230	22F3-2Δ1	1,410	22F2-2Δ1	1,410
17	A16	5	5	10	15	30/600	32F1-2Δ1	1,290	32F3-2Δ1	1,470	32F2-2Δ1	1,470
28	A26	7.5	10	20	25	60/600	42F1-2Δ2	1,425	42F3-2Δ2	1,635	42F2-2Δ2	1,635
34	A30	10	10	25	30	60/600	52F1-2Δ2	1,643	52F3-2Δ2	1,860	52F2-2Δ2	1,860
42	A40	10	15	30	40	60/600	62F1-2Δ2	1,860	62F3-2Δ2	2,093	62F2-2Δ2	2,093
54	A50	15	20	40	50	100/600	72F1-2Δ3	2,438	72F3-2Δ3	2,625	72F2-2Δ3	2,625
65	A63	20	25	50	50	100/600	82F1-2Δ3	2,850	82F3-2Δ3	3,008	82F2-2Δ3	3,008
80	A75	25	30	60	75	200/600	92F1-2Δ4	3,600	92F3-2Δ4	4,013	92F2-2Δ4	4,013
110	A110	30	40	75	100	200/600	A2F1-2Δ4	4,290	A2F3-2Δ4	5,183	A2F2-2Δ4	5,183
130	A145	40	50	100	125	200/600	B2F1-2Δ4	5,970	B2F3-2Δ4	7,418	B2F2-2Δ4	7,418
156	A185	50	60	125	150	400/600	C2F1-2Δ5	8,010	C2F3-2Δ5	8,760	C2F2-2Δ5	8,760
192	A210	60	75	150	200	400/600	D2F1-2Δ5	10,905	D2F3-2Δ5	12,885	D2F2-2Δ5	12,885
248	A260	75	100	200	250	400/600	E2F1-2Δ5	12,165	E2F3-2Δ5	14,415	E2F2-2Δ5	14,415
302	A300	100	100	250	300	400/600	F2F1-2Δ5	13,560	F2F3-2Δ5	15,810	F2F2-2Δ5	15,810
414	AF400	125	150	350	400	600/600	G2F1-2Δ6	17,880	G2F3-2Δ6	18,585	G2F2-2Δ6	18,585
480	AF460	150	—	—	—	600/600	H2F1-70Δ6	29,175	H2F3-70Δ6	32,025	H2F2-70Δ6	32,025
480	AF460	150	200	400	500	800/600	H2F1-70Δ7	31,035	H2F3-70Δ7	33,885	H2F2-70Δ7	33,885
590	AF580	200	250	500	600	1200/600	T2F1-70Δ8	39,435	T2F3-70Δ8	42,435	T2F2-70Δ8	42,435
810	AF750	250	300	600	700	1200/600	U2F1-70Δ8	42,285	U2F3-70Δ8	46,785	U2F2-70Δ8	46,785

NEMA size	Contactor size	Continuous current	NEMA rated			Catalog number	List price	Catalog number	List price	Catalog number	List price	
			200V	230V	460/575V							
00	A9	9	1.5	1.5	2	30/600	J2F1-2Δ1	\$ 1,140	J2F3-2Δ1	\$ 1,320	J2F2-2Δ1	\$ 1,320
0	A16	18	3	3	5	30/600	K2F1-2Δ1	1,290	K2F3-2Δ1	1,470	K2F2-2Δ1	1,470
1	A26	27	—	7.5	10	30/600	L2F1-2Δ1	1,425	L2F3-2Δ1	1,635	L2F2-2Δ1	1,635
1	A26	27	7.5	—	—	60/600	L2F1-2Δ2	1,425	L2F3-2Δ2	1,635	L2F2-2Δ2	1,635
2	A50	45	10	15	25	60/600	M2F1-2Δ2	2,438	M2F3-2Δ2	2,625	M2F2-2Δ2	2,625
3	A75	90	—	—	50	100/600	N2F1-2Δ3	3,176	N2F3-2Δ3	3,589	N2F2-2Δ3	3,589
3	A75	90	25	30	—	200/600	N2F1-2Δ4	3,600	N2F3-2Δ4	4,013	N2F2-2Δ4	4,013
4	A145	135	40	50	100	200/600	P2F1-2Δ4	5,970	P2F3-2Δ4	7,418	P2F2-2Δ4	7,418
5	A260	270	75	100	200	400/600	Q2F1-2Δ5	12,165	Q2F3-2Δ5	14,415	Q2F2-2Δ5	14,415
6	AF460	540	150	—	—	600/600	R2F1-70Δ6	29,175	R2F3-70Δ6	32,025	R2F2-70Δ6	32,025
6	AF460	540	—	200	400	800/600	R2F1-70Δ7	31,035	R2F3-70Δ7	33,885	R2F2-70Δ7	33,885
7	AF580	810	—	300	600	1200/600	S2F1-70Δ8	42,285	S2F3-70Δ8	46,785	S2F2-70Δ8	46,785

Δ Overload relay suffix code. Select from the overload relay selection chart on pages 3.6 - 3.7. Overload relays are required for all combination starters. If overload relay is provided by customer, substitute an "X" in place of the Δ and then subtract list price of overload relay from combination starter's list price. Example: 12F1-2X1 \$ 1140 List - 63 - OLR \$ 1077 Net price

### Coil voltage selection

All AC operated catalog numbers include a 120VAC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the suffix code after the last dash in the catalog number.

Ex.: A 240V coil is required for an A75 starter: 92F1-4F4

To select starter with control transformer, substitute the code from the Control transformer voltage selector chart for the two digits after the last dash in the catalog number.

Ex.: A 480V primary voltage with a 120V secondary voltage is required for an A75 starter: 92F1-CF4

### Control transformer option

Contactor size	VA rating	List price adder
A9 - A40	50	\$ 360
A50 - A75	75	435
A95 - A110	100	560
A145 - A185	150	720
A210 - A300	250	795
AF400 - AF460	150	720
AF580 - AF750	250	795

Reference page 3.50 for Extra VA under all (Control Transformer Options chart)

### Coil voltage selection - A9 - A300

Hz	Contactor type	Volts									
		24	110	120	208	220	240	440	480	500	600
60	A	1		2	3		4	5	6		7
50	A	1	2			4				7	

### Coil voltage selection - AF400 - AF750

Hz	Contactor type	Volts	
		100 - 250	250 - 500
50/60	AF	70	71

### Control transformer voltage selection chart

Hz	Volts				
	Type	200-208/120	240/120	460 - 480/120	575 - 600/120
	A/AF	A	B	C	D
50/60	Type	200-208/24	240/24	460 - 480/24	575 - 600/24
	A/AF	E	F	G	H

### Factory modifications

See page 3.50

NOTES: Power fuses are not included as standard.  
For AF50 - AF 300 starters, consult factory.  
① AF400 - AF750 only.

# Fusible disconnect switch type A9 - AF750 Reversing, three phase

Combination  
starters

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UL Type 4 (Watertight)		UL Type 4X (Stainless steel)		UL Type 1, 3R, 4, 4X & 12 (Plastic)	
Catalog number	List price	Catalog number	List price	Catalog number	List Price
<b>UL rated</b>					
12F4-2Δ1	\$ 1,425	11FX-2Δ1	\$ 1,955	11FP-2Δ1	\$ 1,275
22F4-2Δ1	1,515	21FX-2Δ1	2,045	21FP-2Δ1	1,365
32F4-2Δ1	1,575	31FX-2Δ1	2,105	31FP-2Δ1	1,425
42F4-2Δ2	1,763	41FX-2Δ2	2,270	41FP-2Δ2	1,560
52F4-2Δ2	1,988	51FX-2Δ2	2,745	51FP-2Δ2	1,778
62F4-2Δ2	2,213	61FX-2Δ2	3,260	61FP-2Δ2	1,995
72F4-2Δ3	2,850	71FX-2Δ3	3,855	71FP-2Δ3	2,573
82F4-2Δ3	3,225	81FX-2Δ3	4,370	81FP-2Δ3	2,985
92F4-2Δ4	4,200	91FX-2Δ4	5,075	91FP-2Δ4	3,735
A2F4-2Δ4	5,550	A1FX-2Δ4	7,115	A1FP-2Δ4	4,600
B2F4-2Δ4	7,800	B1FX-2Δ4	9,690	B1FP-2Δ4	7,600
C2F4-2Δ5	9,225	C1FX-2Δ5	12,225	C1FP-2Δ5	9,000
D2F4-2Δ5	13,238	D1FX-2Δ5	16,410	D1FP-2Δ5	13,000
E2F4-2Δ5	15,150	E1FX-2Δ5	21,285	E1FP-2Δ5	14,885
F2F4-2Δ5	16,530	F1FX-2Δ5	27,810	F1FP-2Δ5	16,200
G2F4-2Δ6	20,625	G1FX-2Δ6	32,385	—	—
H2F4-70Δ6	33,540	H1FX-70Δ6	39,420	—	—
H2F4-70Δ7	35,400	H1FX-70Δ7	41,280	—	—
T2F4-70Δ8	45,150	T1FX-70Δ8	54,735	—	—
U2F4-70Δ8	48,450	U1FX-70Δ8	57,735	—	—

<b>NEMA rated</b>					
J2F4-2Δ1	\$ 1,425	J2FX-2Δ1	\$ 1,955	J2FP-2Δ1	\$ 1,275
K2F4-2Δ1	1,575	K2FX-2Δ1	2,105	K2FP-2Δ1	1,425
L2F4-2Δ1	1,763	L2FX-2Δ1	2,270	L2FP-2Δ1	1,560
L2F4-2Δ2	1,763	L2FX-2Δ2	2,270	L2FP-2Δ2	1,560
M2F4-2Δ2	2,850	M2FX-2Δ2	3,855	M2FP-2Δ2	2,573
N2F4-2Δ3	3,776	N2FX-2Δ3	4,651	N2FP-2Δ3	3,311
N2F4-2Δ4	4,200	N2FX-2Δ4	5,075	N2FP-2Δ4	3,735
P2F4-2Δ4	7,800	P2FX-2Δ4	9,690	P2FP-2Δ4	7,600
Q2F4-2Δ5	1,515	Q2FX-2Δ5	21,285	Q2FP-2Δ5	14,885
R2F4-70Δ6	33,540	R2FX-70Δ6	39,420	—	—
R2F4-70Δ7	35,400	R2FX-70Δ7	41,280	—	—
S2F4-70Δ8	48,450	S2FX-70Δ8	57,735	—	—

Δ Overload relay suffix code. Select from the overload relay selection chart on pages 3.6 - 3.7. Overload relays are required for all combination starters. If overload relay is provided by customer, substitute an "X" in place of the Δ and then subtract list price of overload relay from combination starter's list price.

## Maximum short circuit ratings for UL listed combination starters

Contactor size	Switch/fuse at 600VAC	KA at 600VAC
A9	CF30/30J	200
A12	CF30/30J	
A16	CF30/30J	
A26	F60/60J	
A30	F60/60J	
A40	F100/100J	
A50	F100/100J	
A63	OES200/200J	
A75	OES200/200J	
A95	OES200/200J	
A110	OES200/200J	
A145	OES400/400J	
A185	OES400/400J	
A210	OES400/400J	
A260	OES400/400J or OES600/600J	
A300	OES400/400J or OES600/600J	
AF400	OES600/600J	
AF460	OES800/800L	
AF580	OETL1200W/1200L fuses	
AF750	OETL1200W/1200L fuses	